Substitute Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Attomey's Docket No. 13498-005004

Application No. 10/755,506

formation Disclosure Statement Applicant

by Applicant (Use several sheets if necessary)

Thomas J. McMurry et al.

Filing Date
January 12, 2004

Group Art Unit 1616

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|---------------------|--------------|--------------------|---------------------|---------------------|-------|---------------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| KD. | AA | 6,652,835 | 11/25/03 | Lauffer et al. | | 1 | |
| | AB | 6,652,834 | 11/25/03 | Anelli et al. | | | , |
| | AC | 6,479,681 | 11/12/02 | Brocchetta et al. | | | |
| | · AD | 6,461,588 | 10/08/02 | Anelli et al. | | | |
| | AE | 6,342,598 | 01/29/02 | Anelli et al. | | | |
| | AF . | 6,307,074 | 10/23/01 | Brocchetta et al. | | \ | |
| | AG | 5,846,519 | 12/08/98 | Tweedle et al. | | 1 | |
| | AH | 5,725,840 | 03/10/98 | Klaveness et al. | | | |
| | Al | 5,674,470 | 10/07/97 | Tweedle et al. | | | |
| | AJ | 5,660,814 | 08/1997 | Uggeri et al. | | 17 | |
| | AK | 5,649,537 | 07/1997 | Anelli et al. | | $\overline{}$ | |
| _ | AL | 5,635,180 | 06/1997 | Morgan, Jr., et al. | | X | |
| | AM . | 5,573,752 | 11/1996 | Ranganathan et al. | | $-\Lambda$ | |
| | AN | 5,545,395 | 08/1996 | Tournier et al. | | | |
| | AO | 5,525,338 | 06/1996 | Goldenberg | | 7/ | |
| | AP | 5,512,322 | 04/1996 | Liberti et al. | | | |
| | AQ | 5,505,932 | 04/1996 | Grinstaff et al. | · | 1 | |
| | AR | 5,487,390 | 01/1996 | Cohen et al. | | 1 | |
| | AS | 5,474,756 | 12/12/95 | Tweedle et al. | | / | |
| | AT | 5,407,659 | 4/1995 | Deutsch et al. | | | |
| | AU | 5,385,719 | 01/1995 | Unger et al. | 1. / | | |
| | AV | 5,380,519 | 01/1995 | Schneider et al. | 1 / | | |
| | AW | 5,362,475 | 11/1994 | Gries et al. | | | |
| | AX | 5,358,704 | 10/1994 | Desreux et al. | 1/ | | |
| • | AY | 5,318,771 | 06/1994 | Lauffer et al. | 1/- | | |
| | AZ | 5,318,769 | 06/1994 | Bacon et al. | 1/ | | |
| RO | AAA | 5,314,679 | 05/1994 | Lewis et al. | | 1 | |

| Examiner Signature | DUG | Date Considered | 6/10/05 | |
|---------------------------------------------------------|----------------------------------------------|-----------------------------------|------------------------------------|----------|
| EXAMINER: Initials citation next communication to appli | considered. Draw live through citation cant. | if not in conformance and not con | nsidered. Include copy of this for | n with |
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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 13498-005004

Application No. 10/755.506

Applicant Information Disclosure Statement

by Applicant

(Use several sheets if necessary)

Thomas J. McMurry et al.

Filing Date January 12, 2004

Group Art Unit 1616

(37 CFR §1.98(b))

U.S. Patent Documents Document Publication Examiner Desig. Filing Date Initial ID Number Date Patentee Class Subclass If Appropriate ABB 5,250,285 10/1993 Lauffer et al. ACC 5,223,243 06/1993 Rocklage et al. 5,094,848 ADD 03/1992 Brixner AEE 5,091,169 02/25/92 Rocklage et al. **AFF** 5,078,986 01/1992 Bosworth et al. AGG 5,047,659 04/1995 Deutsch et al. AHH 5,017,359 05/1991 Nicolau et al. AII 4,980,502 12/1990 Felder et al. AJJ 4,963,344 10/1990 Gries et al. AKK 4,957,939 09/1990 Gries et al. ALL 4,899,755 Lauffer et al. 02/1990 AMM 4,885,363 12/1989 Tweedle et al. ANN 4,880,008 11/1989 Lauffer A00 4,859,451 08/1989 Quay et al. APP 4,834,964 05/1989 Rosen AQQ 4,746,507 05/1988 Quay ARR 4,714,607 12/1987 Klaveness ASS 4,687,658 08/1987 Quay ATT 4,647,447 03/1987 Gries et al. AUU 4,639,365 01/1987 Sherry AVV 4,615,879 10/1986 Runge et al. AWW 4,472,509 09/1984 Gansow et al. AXX 4,401,647 8/1983 Krohn et al. AYY 4,361,544 11/1982 Goldenberg AZZ 4,352,751 10/1982 Wieder et al. AAAA 4,331,647 05/1982 Goldenberg ABBB 4,308,149 12/1981 Frank et al.

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(37 CFR §1.98(b))

Filing Date
January 12, 2004

Group Art Unit 1616

| | U.S. Patent Documents | | | | | | | |
|------------------|-----------------------|--------------------|---------------------|------------|-------|----------|----------------------------|--|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate | |
| | ACCC | 4,150,047 | 04/1979 | Coe et al. | | | | |
| | ADDD | 3,632,637 | 01/1972 | Martell | | | | |

| <u> </u> | Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|----------|-------------------------------------------------------------------|-----------|-------------|---------------|-------------|----------|--------------------|-------------|
| Examiner | Desig. | Document | Publication | Country or | | | Trans | lation |
| Initial | ID | Number | Date | Patent Office | Class | Subclass | Yes | No |
| KO | AEEE | 8633082 | 01/1983 | AU | $\bot \bot$ | | | |
| | AFFF | 2,139,374 | 07/1995 | CA | | | | |
| | AGGG | 3401052 | 07/1984 | DE | | | | |
| | АННН | 3129906 | 02/1983 | DE | | / | | |
| | AIII | 2606721 | 09/1976 | DE | | | | |
| | AJJJ | 0450742 | 10/1991 | DE | | | | |
| | AKKK | 0661279 | 07/1995 | EP | | 1 | | |
| | ALLL | 0543482 | 05/1993 | EP | | 1 . | | |
| | AMMM | 0535668 | 04/1993 | EP | | | | |
| | ANNN | 0485045 | 05/1992 | EP | | | | · |
| | A000 | 0463644 | 01/1992 | EP | | | # * - - | |
| | APPP | 0455380 | 11/1991 | EP | 1 | | | |
| | AQQQ | 0454078 | 10/1991 | EP | | | | ~~~~ |
| | ARRR | 0405704 | 01/1991 | EP | | | | |
| | ASSS | 0374947 | 06/1990 | EP | | | | |
| | ATTT | 0347947 | 12/1989 | EP | | | | |
| | AUUU | 0331616 | 09/1989 | EP | | | | - |
| | AVVV | 0304780 | 03/1989 | EP | | | | ······ |
| | AWWW | 0292761 | 11/1988 | EP · | | | | |
| | ·AXXX | 0292689 | 11/1988 | EP . | | | | |
| <u> </u> | AYYY | 0290047 | 11/1988 | EP | | | | |
| 40 | AZZZ | 0290041 | 11/1988 | EP | | 1 | | |

| Examiner Signature W | Date Considered 6/16/01 | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--|--|--|--|--|
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | |

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Information Disclosure Statement by Applicant (Use several sheets if necessary) Applicant

Thomas J. McMurry et al.

Filing Date
January 12, 2004

Group Art Unit

(37 CFR §1.98(b))

Foreign Patent Documents or Published Foreign Patent Applications Desig. Document Examiner **Publication** Country or Translation Initial Patent Office ID Number Date Class Subclass Yes No AAAAA 0 279 307 11/13/96 EP ABBBB 0258616 03/1988 EP ACCCC! 0250358 12/1987 EP ADDDD 0232751 EP 08/1987 AEEEE 0230893 08/1987 EP **AFFFF** 0169299 04/1990 EP AGGGG 0165728 12/1985 EP AHHHH 0133603 02/1985 EP AIIII 2643370 08/1990 FR AJJJJ 2354993 01/1978 FR AKKKK WO 93/03351 02/1993 **PCT** ALLLL! WO 91/03200 03/1991 **PCT** AMMMM WO 90/03804. 04/1990 **PCT** ANNNN PCT. WO 89/12631 12/1989 A0000 WO 89/01476 02/1989 **PCT** APPPP WO 89/01475 02/1989 **PCT** AQQQQ WO 88/07521 10/1988 **PCT** ARRRR WO 86/06605 11/1986 **PCT** ASSSS WO 86/02841 05/1986 **PCT** ATTTT WO 86/02352 04/1986 **PCT** AUUUU WO 86/02005 04/1986 PCT AVVVV WO 86/01410 03/1986 **PCT** AWWW WO 85/05554 12/1985 **PCT** AXXXX WO 85/02772 07/1985 **PCT** WO 98/05625 12/1998 AYYYY PCT **AZZZZ** WO 95/32741 12/1995 **PCT** AAAAA WO 91/03200 03/1991 PCT

| | | L | | |
|-------------------------|------------------------------|---------------------------|-------------------------------|------------------------------------------------|
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| Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office | | | Application No. 10/755,506 | |
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| by A | closure Statement pplicant | Applicant Thomas J. McMurry et al. | | |
| (Use several sheets if necessary) (37 CFR §1.98(b)) | | Filing Date January 12, 2004 | Group Art Unit 1616 | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|-------------------------------------------------------------------|--------------|--------------------|---------------------|-----------------------------|-------|----------|---|--------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Çlass | Subclass | | lation No |
| ,X | ABBBBB | WO 91/18630 | 12/1991 | PCT | | | | |
| A | ACCCCC | WO 95/15306 | 06/1995 | PCT | | | - | |
| 1/2 | ADDDDD | WO 95/28392 | 10/1995 | PCT | | X | | |
| B | AEEEEE | WO 00/38738 | 07/2000 | PCT | | | | ······ |

| | Other Do | ocuments (include Author, Title, Date, and Place of Publication) | | | |
|---------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Examiner Initial | Desig. ID | Document | | | |
| 100 | AFFFFF | "Phenolic derivatives of (hydroxyalkyl)alky=-lenediamineacetic acids and their salts", Chemical Abstracts, 89, p. 561, Abstract No. 215057x (1978) | | | |
| | AGGGGG | Bagley et al., "Distribution of Intravenously Administered Ferrioxamine-59 and Ferric N,N'- Ethylenebis (α Imino-2-Hydroxy-5-Chlorophenylacetate) in Rats", <u>Proc. Soc. Exptl. Biol. Med.</u> , 127, pp. 798-801 (1968) | | | |
| | АНННН | Barnhart et al., "Is there Stereospecificity in Hepatic Uptake of Phenyl-derivatized Contrast Agents?", Contrast Media Research, (October 1993) | | | |
| | АПІП | Best et al., "Chemical and In Vivo Characterization of Gd-bis-Phenylalanyl DTPA Derivatives: A Class of Hepatobiliary MRI Contrast Agents", Proc. Soc. Magnetic Resonance, Second Meeting, v1, p. 264 (August 1994) | | | |
| | AJJJJJ | Bogdanov et al., "A New Macromolecule as a Contrast Agent for MR Angiography: Preparation, Properties, and Animal Studies", Radiology, 187, pp. 701-706 (1993) | | | |
| | AKKKKK | Brasch et al., "Contrast-Enhanced NMR Imaging: Animal Studies Using Gadolinium-DTPA Complex", AJR, 142, pp. 625-630 (1984) | | | |
| | ALLLLL | Brittain et al., "Luminescence and NMR Studies of the Conformational Isomers of Lanthanide Complexes with an Optically Active Polyaza Polycarboxylic Macrocycle", <u>Inorg. Chem.</u> , 23, pp. 4459-66 (1984) | | | |
| | АММММІ | Caravan et al., "Gandolinium (III) Chelates as MRI Contrast Agents: Structure, Dynamics, and Applications", Chem. Rev., 99, pp. 2293-2352 (1999) | | | |
| | ANNNNN | Carter et al., "Structure of Serum Albumin", Adv. Protein Chem., 45, pp. 153-203 (1994) | | | |
| | A0000C | Chen et al., "Paramagnetic Metalloporphyrins as Potential Contrast Agents in NMR Imaging", FEBS Letters, 168, pp. 70-74 (1984) | | | |
| | АРРРРР | Chu, "The Quantitative Analysis of Structure-Activity Relationships", Burger's Medicinal Chemistry, Part 1, pp. 393-418 (4th Ed., 1980) | | | |
| | AQQQQ | Davison, "Protein Binding", Fundamentals of Drug Metabolism and Drug Disposition, La Du et al., eds., pp. 63-75, R.E. Krieger Pub. Co. (1971) | | | |
| · . | ARRRRR | Desreux et al., "Nuclear Magnetic Resonance Spectroscopy of Lanthanide Complexes with a Tetraacetic Tetraaza Macrocycle. Unusual Conformation Properties", <u>Inorg. Chem.</u> , 19, pp. 1319-24 (1980) | | | |
| # | ASSSSS | Felix et al., "Brain Tumors: MR Imaging with Gadolinium-DTPA", Radiology, 156, pp. 681-88 (1985) | | | |

| Examiner Signature W | Date Considered | /0S |
|----------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------|
| EXAMINER: Initials citation considered. Draw line through diation if no next communication to applicant. | t in conformance and not considered. | Include copy of this form with |

| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13498-005004 | Application No. 10/755,506 | |
|-----------------------------------------------------|------------------------------------------------------------|------------------------------------|----------------------------|--|
| | closure Statement | Applicant Thomas J. McMurry et al. | | |
| (Use several sheets if necessary) (37 CFR §1.98(b)) | | Filing Date January 12, 2004 | Group Art Unit 1616 | |

| | | ocuments (include Author, Title, Date, and Place of Publication) |
|------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Examiner Initial | Desig. ID | Document |
| 40 | ATTTTT | Goldstein, "The Interactions of Drugs and Plasma Proteins," Pharm. Rev., 1949, 1:102-165 |
| 9 | AUUUUL | Graf et al., "Iron-catalyzed Hydroxyl Radical Formation", J. Biol. Chem., 259, pp. 3620-24 (1984) |
| | AVVVV | Haddock et al., "Biliary Excretion of Chelated Iron", Proc. Soc. Exptl. Biol. Med., 120, pp. 663-68 (1965) |
| | www | Harrison et al., "Hepato-biliary and Renal Excretion in Mice of Charged and Neutral Gadolinium Complexes of Cyclic Tetra-aza-phosphinic and Carboxylic Acids", Magn. Res. Imaging, 11, pp. 761-70 (1993) |
| | AXXXXX | (1992) |
| | AYYYYY | Veriag, pp. 23-125 (1984) |
| | AZZZZZ | <u>intelligence</u> , 1976, 294(6):311-316 |
| | AAAAA | <u>intelligence</u> , 1976, 249(10):526-531 |
| | ABBBBB | Konishiroku Photo Industry Co., Ltd., "Processing of Silver Halide Color Photographic Material", Chemical Abstracts, 101, p. 537, Abstract No., 219677p (1984) |
| | ACCCCC | <i>33</i> (1): 17-5 <i>3</i> |
| | ADDDDD | Krishnamurthy et al., "Technetium-99m-Iminodiacetic Organic Anions: Review of Biokinetics and Clinical Application in Hepatology", Hepatology, 9, pp. 139-53 (1989) |
| | AEEEEEE | Lauffer et al., "Albumin Binding of Paramagnetic Hepatobiliary Contrast Agents: Enhancement of Outer Sphere Relativity", Nucl. Med. Biol., 15, pp. 45-46 (1988) |
| | AFFFFF | Lauffer et al., "Hepatobiliary MR Contrast Agents: 5-Substituted Iron-EHPG Derivatives", Magn. Res. Med., 4, pp. 582-90 (1987) |
| | AGGGGG | Lauffer et al., "Paramagnetic Metal Complexes as Water Proton Relaxation Agents for NMR Imaging: Theory and Design," Chem. Rev., 87, pp. 901-927 (1987) |
| · | аннннн | Lauffer et al., "Preparation and Water Relaxation Properties of Proteins Labeled with Paramagnetic Metal Chelates", Magn. Res. Imaging, 3, pp. 11-16 (1985) |
| | AIIIIII | Lauffer et al., "Preparation and Water Relaxation Properties of Proteins Labeled with Paramagnetic Metal Chelates", Magn. Res. Imaging, 3, pp. 11-16 (1985) |
| | AJJJJJ | Lauffer et al., "Stereospecific Binding of rac-Iron (III) N,N' Ethylenebis[(5-bromo-2-hydroxyphenyl)glycinate] to the Bilirubin Site on Human Serum Albumin," J.A.C.S., 109, pp. 2216 18 (1987) |
| | AKKKKK | Lazar et al., "NMR and Potentiometric Studies of 1,4,7-triazacyclononane-N,N',N"-tris(methylenephosphonate monethylester) and its Complexes with Metal Ions", <u>Inorganica Chimica</u> Acta, 195, pp. 89-93 (1992) |
| | ALLLLI | Lazar et al., "Synthesis and Complexation Properties of a New Macrocyclic Polyaza Polyphosphinate Ligand, DOTEP (1,4,7,10-Tetraazacyclododecane-1,4,7,10- tetrakis(methyleneethylphosphinate))," Inorg. Chem., 30, pp. 5016-19 (1991) |
| 0 | MMMMM | Leo et al., "Partition Coefficients and Their Uses," Chem. Rev., 71, pp. 525-616 (1971) |

| Examiner Signature M | Date Considered 410/05 | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|--|--|--|--|
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | |

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| 1 | losure Statement plicant | Applicant Thomas J. McMurry et al. | | |
| (Use several sheets if necessary) (37 CFR §1.98(b)) | | Filing Date January 12, 2004 | Group Art Unit 1616 | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | | |
|-------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Examiner Desig. Initial ID | | Document | |
| MUNNNN ANNINNN | | 67 (1969) | |
| 1 100000 | | Martell et al., "Development of Iron Chelators for Cooley's Anemia," <u>Inorganica Chimica Acta</u> , 138, pp. 215-230 (1987) | |
| | APPPPPP | Clinical Use, Martell et al., eds., Elsevier North Holland, Inc., pp. 65-104 (1981) | |
| · | AQQQQQ | McCandlish et al., "Comparison of the Structures and Aqueous Solutions of [o- Phenylelenediaminetetraaceto (4-)] cobalt (III) and [Ethylnedediaminetetraacetato (4-)] cobalt (III) Ions", <u>Inorg. Chem.</u> , 17, pp. 1383-94 (1978) | |
| | ARRRRRI | McMurry et al., "The Effect of a Phosphodiester Linking Group on Albumin Binding, Blood Half- Life, and Relaxivity of Intravascular Diethylenetriaminepentaacetato Aquo Gadolinium(III) MRI Contrast Agents," J. Med. Chem., 2002, 45:3465-3474 | |
| | ASSSSS | Moerlein et al., "The Chemistry of Gallium and Indium as Related to Radiopharmaceutical Production", In. J. Nucl. Med. Biol., 8, pp. 277-87 (1981) | |
| | ATTTTT | Moerlein et al., "The Chemistry of Gallium and Indium as Related to Radiopharmaceutical Production", In. J. Nucl. Med. Biol., 8, pp. 277-87 (1981) | |
| | λυυυυυ | Motekaitis et al., "New Synthetic, Selective, High-Affinity Ligands for Effective Trivalent Metal Ion, Binding and Transport", <u>Inorganica Chimica Acta</u> , 198-200, pp. 421-428 (1982) | |
| | AVVVVV | Oksendal et al., Biodistribution and Toxicity of MR Imaging Contrast Media", Magn. Res. Imaging, 3, pp. 157-65 (1993) | |
| | wwww | Pecoraro et al., "Gallium and Indium Imaging Agents. 2. Complexes of Sulfonated Catechoylamide Sequestering Agents", <u>Inorg. Chem.</u> , 21, pp. 2209-15 (1982) | |
| | AXXXXX | Rocklage et al., "Managanese (II) N,N'-diacetate 5,5'-Bis(phosphate). Synthesis and Characterization of a Paramagnetic Chelate for Magnetic Resonance Imaging Enhancement", <u>Inorg. Chem.</u> , 28, pp. 477-85 (1989) | |
| | AYYYYY | Rocklage et al., "Structural and Thermodynamic Characterization of Manganese (II) N,N' Dipyridoxylethylendiamine-N,N'-diacetate. A Novel Manganese (II) Chelate", Inorg. Chem., 27, pp. 3530-34 (1988) | |
| | AZZZZZZ | & Febiger (1980) | |
| | AAAAA | Smidt et al., "Association of Antisense Oligonucleotides with Lipoproteins Prolongs the Plasma Half-life and Modifies the Tissue Distribution", <u>Nucleic Acids Research</u> , vol. 19, no.17, pp. 4695-700 (September 11, 1991) | |
| | ВВВВВВ | Smidt et al., "Association of Antisense Oligonucleotides with Lipoproteins Prolongs the Plasma Half-life and Modifies the Tissue Distribution", <u>Nucleic Acids Research</u> , vol. 19, no.17, pp. 4695-700 (September 11, 1991)) | |
| | rccccc | Progress in Liver Disease, Popper et al, ed., W.B. Saunders Co., pp. 203-24 (1990) | |
| | DDDDDI | Sun et al., "Synthesis of Multidentate Ligands Containing Hydroxypryidyl Donor Groups", Tetrahedron, 47, pp. 357-364 (1991) | |
| 6 | AEEEEEE | Swanson et al., <u>Pharmaceuticals in Medical Imaging</u> , Swanson et al., eds., Macmillan Pub., pp. 279-644 (1990) | |

| Examiner Signature | ardelty | Date Considered | 6/10/00 |
|----------------------------------------------------|-----------------------------------------------------------|--------------------------|----------------------------------------------|
| EXAMINER: Initials cita next communication to a | tion considered. Draw line through chation if rapplicant. | ot in conformance and no | t considered. Include copy of this form with |
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| (Use several sheets if necessary) (37 CFR §1.98(b)) | | Filing Date January 12, 2004 | Group Art Unit 1616 |

| Other Documents (include Author, Title, Date, and Place of Publication) | | | |
|-------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Examiner | . | | |
| Initial ID | | Document | |
| (N) | AFFFFFF | Swanson, "Enhancement Agents for Ultrasound: Fundamentals", Pharmaceuticals in Medical Imaging, Swanson et al., eds., Macmillan Pub., pp. 682-87 (1990) | |
| | GGGGGG | Taliaferro et al., "New Multidentate Ligands. 22. N,N'-Dipyridozylethlyenendiamine-N,N'diacetic Acid: a New Chelating Ligand for Trivalent Metal Ions", Inorg. Chem., 23, pp. 1188-92 (1984) | |
| | ннннн | Taliaferro et al., "New Multidentate Ligands. XXIV. Disodium-N,N'bis(2-hydroxy-5- | |
| | АШШ | Taliaferro et al., "New Multidentate Ligands. XXIV. Disodium-N,N'bis(2-hydroxy-5- | |
| | VIIIIIII | , , , , , , , , , , , , , , , , , , , , | |
| | KKKKKK | 1, Raydu, ed., CRC Press, p. 201 (1990) | |
| | ALLLLL | Theodorakis et al., "Localization of Technetium 99m-Ethylenediamine-N,N'-bis (α-2-hydroxy-5-bromophenyl) acetic Acid and Technetium 99m-N-(2-Mercapto-1-oxopropyl)glycine in Hepatobiliary System", J. Pharm. Sci., pp. 581-84 (1980) | |
| | имммм | Tiles de et al 100 de la 1 | |
| | NNNNN | Tyler et al., "In Vivo Enhancement of Ultrasonic Image Luminance by Aqueous Solutions with High Speed of Sound", Ultrasonic Imaging, 3, pp. 323-29 (1981) | |
| | 000000 | TI TY COLD TO THE TY | |
| APPPPP | | Vallner, "Binding of Drugs by Albumin and Plasma Protein," <u>J. Pharm. Sciences</u> , 1977, 66(4):447-465 | |
| | QQQQQ | Vexler et al., "Gd-bis-Phenylalanyl DTPA Derivatives as Hepatobiliary MRI Contrast Agents: MRI in Normal and Liver Tumor-bearing Rats using Na ₂ [GdDTPA(EtOPhe) ₂]", <u>Proceedings of the Society of Magnetic Resonance</u> , Second Meeting, vol. 2, p. 896 (August 1994) | |
| | RRRRRR | Watson et al., "Contrast Agents", <u>Magnetic Resonance Imaging</u> , Stark et al. eds., Mosby year Book, pp. 372-437 (1992) | |
| | ASSSSSS | Weinmann et al., Characteristics of Gadolinium-DTPA Complex: A Potential NMR Contrast Agent", AJR, pp. 619-624 (1984) | |
| | ATTTTT | White et al., "Derivatives of Gd-DTPA-bis(Phenylalanine) as Hepatobiliary Contrast Agents", First Meeting of the Society of Magnetic Resonance, p. S10 (1994) | |
| · | บบบบบเ | Medicine, 11th Annual Scientific Meeting, p. 1438 (August 1992) | |
| \$ | vvvvv | Yeh et al., "A New Route to "Bifunctional' Chelating Agents: Conversion of Amino Acids to Analogs of Ethylenedinitrilo-tetraacetic Acid", Anal. Biochem., 100, pp. 152-59 (1979) | |

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| Examiner Signature | , — | Date Considered | | |
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| EXAMINER: Initials citation considered, Draw | · line the county of the time if | 4. | | |
| LIVANIACIA. INILIAIS CLABOTI CONSIDEREC. DIAV | A title antional programou it ud | ot in contormance and | not considered. Include copy of this t | form with |
| next communication to applicant | | | • • | |